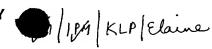
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ATENT COOPERATION TREATY



From the INTERNATIONAL SEARCHING AUTHORITY

PCT

FIGHT THE INTERNATIONAL SEATORING ACTION TO	PUI		
Attn. Levy, David J.	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)		
	Date of mailing (day/month/year) 21/08/2003		
Applicant's or agent's file reference PU4828W0	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US 03/17347	International filing date (day/month/year) 03/06/2003		
Applicant GLAXO GROUP LIMITED			
applicant's request to forward the texts of both the protest: no decision has been made yet on the protest; the applicant is reminded of the following: Shortly after 18 months from the priority date, the international applicant wishes to avoid or postpone publication, a notice priority claim, must reach the International Bureau as provided completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international	Ity 2 months from the date of transmittal of the lails, see the notes on the accompanying sheet. In panying sheet. Report will be established and that the declaration under mal fee(s) under Rule 40.2, the applicant is notified that: In transmitted to the International Bureau together with the est and the decision thereon to the designated Offices. Ilicant will be notified as soon as a decision is made. In polication will be published by the International Bureau. In of withdrawal of the international application, or of the in Rules 90 bis. 1 and 90 bis. 3, respectively, before the titon. In preliminary examination must be filed if the applicant		
wishes to postpone the entry into the national phase until 30 mo Within 20 months from the priority date, the applicant must perfor before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	nths from the priority date (in some Offices even later). m the prescribed acts for entry into the national phase e demand or in a later election within 19 months from the		
priority date of could not be elected because they are not bound	тоу опария II.		

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2

NL-2280 HV Rijswijk

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Eva Bohácová

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(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2)	of Transmittal of International Search Report (20) as well as, where applicable, item 5 below.
PU4828W0	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
International application No.	International filing date (day/monit/year)	·
PCT/US 03/17347	03/06/2003	04/06/2002
Applicant		
GLAXO GROUP LIMITED		
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searching Autansmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists [X] It is also accompanied by	of a total of sheets. If a copy of each prior art document cited in this	s report.
Basis of the report		
a With regard to the language, the	international search was carried out on the ba	asis of the international application in the
language in which it was filed, ur	less otherwise indicated under this item.	
the international search v Authority (Rule 23.1(b)).	was carried out on the basis of a translation of	the international application furnished to this
b. With regard to any nucleotide a	nd/or amino acid sequence disclosed in the	international application, the international search
was carried out on the basis of the	onal application in written form.	
1	ernational application in computer readable fo	rm.
	o this Authority in written form.	
1 —	o this Authority in computer readble form.	
the statement that the su	bsequently furnished written sequence listing	does not go beyond the disclosure in the
international application	as filed has been furnished.	
the statement that the in furnished	formation recorded in computer readable form	is identical to the written sequence listing has been
2. Certain claims were fo	und unsearchable (See Box I).	
3. X Unity of invention is la	cking (see Box II).	
4. With regard to the title,		
the text is approved as s	submitted by the applicant.	
1	ished by this Authority to read as follows:	
PHARMACEUTICAL COMPOS	SITIONS COMPRISING ABACAVIR	AND LAMIVUDINE
5. With regard to the abstract,		
the text is approved as	submitted by the applicant.	ority as it appears in Box III. The applicant may,
the text has been established within one month from t	he date of mailing of this international search i	report, submit comments to this Authority.
6. The figure of the drawings to be pu	iblished with the abstract is Figure No.	
as suggested by the ap		X None of the figures.
	ailed to suggest a figure.	
	er characterizes the invention.	



a. classification of subject matter IPC 7 A61K31/7076 A61K31/7068 A61K47/38

A61P31/14

A61P31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K-A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, PASCAL, CHEM ABS Data, SCISEARCH

1-5, 7-15, 19-31 6,16-18 1-5, 7-15, 19-31
1-5, 7-15,
7-15,
1
6,16-18
1-5, 7-15, 19-22, 25-31

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 		
Date of the actual completion of the international search	Date of mailing of the international search report		
8 August 2003	21/08/2003		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer		
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Zimmer, B		

Form PCT/ISA/210 (second sheet) (July 1992) Express Mail Label No.

EV 332063787 US



International Application No 03/17347

C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	LAHDENPAA E ET AL: "DIRECT COMPRESSION WITH SILICIFIED AND NON-SILICIFIED MICROCRYSTALLINE CELLULOSE: STUDY OF SOME PROPERTIES OF POWDERS AND TABLETS" STP PHARMA SCIENCES, PARIS, FR, vol. 11, no. 2, March 2001 (2001-03), pages 129-135, XP009006009 ISSN: 1157-1489 page 129 page 133	1-5, 7-15, 19-24
Y	OBAE K ET AL: "Morphological effect of microcrystalline cellulose particles on tablet tensile strength." INTERNATIONAL JOURNAL OF PHARMACEUTICS (AMSTERDAM), vol. 182, no. 2, 25 May 1999 (1999-05-25), pages 155-164, XP001154010 ISSN: 0378-5173 page 155 page 164	6,16-18
X	VLADYKA R S ET AL: "Evaluation of sphere-forming excipients in high drug loaded theophylline spheres" PROCEEDINGS OF THE CONTROLLED RELEASE SOCIETY 1998 UNITED STATES, no. 25, 1998, pages 948-949, XP009015365 ISSN: 1022-0178 the whole document	23,24
A	DUBERG M ET AL: "Studies on direct compression of tablets. XII. The consolidation and bonding properties of some pharmaceutical compounds and their mixtures with Avicel 105" INTERNATIONAL JOURNAL OF PHARMACEUTICAL TECHNOLOGY AND PRODUCT MANUFACTURE 1985 UNITED KINGDOM, vol. 6, no. 2, 1985, pages 17-25, XP009015326 the whole document	1-31

4

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-22,25-31

Pharmaceutical composition comprising abacavir and lamivudine and a carrier

2. Claims: 23,24

Method for maintaining high drug loading in a pharmaceutical composition





These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international politication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

ID - VOICA SOUNDENIDA I -





Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)	
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:	
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.	

for on patent family members

PCT/2003/17347

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	tent document in search report		Publication date		Patent family member(s)	Publication date
MO	0016779	A	30-03-2000	AU	6085099 A	10-04-2000
WO	0010773	^	30 03 2000	CN	1317971 T	17-10-2001
				WO	0016779 A1	30-03-2000
				EP	1113803 A1	11-07-2001
				JP	2002526449 T	20-08-2002
	 9630025	 А	03-10-1996	 AP	652 A	19-06-1998
WU	9030025	^	03 10 1990	AT	220551 T	15-08-2002
				AU	715213 B2	20-01-2000
				AU	5497296 A	16-10-1996
				BR	9607851 A	21-07-1998
				CA	2216634 A1	03-10-1996
			•	CN	1185110 A ,	
				CZ	9703090 A3	13-05-1998
				DE	69622386 D1	22-08-2002
				DE	69622386 T2	13-02-2003
					817637 T3	11-11-2002
				DK	626 B1	29-12-1999
				EA EE	9700240 A	15-04-1998
					9630025 A1	03-10-1996
				WO	0817637 A1	14-01-1998
				EP		16-01-2003
				ES	2179193 T3	28-01-1999
				HU	9801571 A2 117727 A	30-11-1999
				IL	11//2/ A 10511682 T	10-11-1998
				JP NO	974510 A	29-09-1997
				NO NZ	306419 A	28-01-2000
				NZ PL	322532 A1	02-02-1998
				PT	817637 T	29-11-2002
	•			RO	117995 B1	30-12-2002
				SI	817637 T1	31-10-2002
				SK	129597 A3	08-07-1998
	•			TR	9701074 T1	21-02-1998
				US	6417191 B1	09-07-2002
				ZA	9602477 A	28-10-1997
				JP	2954357 B2	27-09-1999
	0055070		04 11 1000		 4135599 A	 16-11-1999
WU	9955372	Α	04-11-1999	AU BR	9910071 A	26-12-2000
				CA	2330391 A1	04-11-1999
				CN	1411380 T	16-04-2003
				EE	200000646 A	15-04-2002
				MO	9955372 A1	04-11-1999
				EP	1083932 A1	21-03-2001
				HR	20000732 A1	28-02-2001
				HU	0101622 A2	28-02-2003
				JP	2002512979 T	08-05-2002
				NO	2002512979 T 20005418 A	29-11-2000
				PL	343710 A1	27-08-2001
				SK	16212000 A3	10-07-2001
				TR	200003157 T2	22-01-2001

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